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APPLICATION NO.	FIL	JING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/087,359	03/01/2002		Toshihiro Yoshida	791_188	3319
25191	7590	03/17/2004		EXAMINER	
BURR & BI PO BOX 706			YUAN, DAH WEI D		
SYRACUSE, NY 13261-7068				ART UNIT	PAPER NUMBER
				1745	

DATE MAILED: 03/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/087,359	YOSHIDA ET AL.					
Office Action Summary	Examiner	Art Unit					
	Dah-Wei D. Yuan	1745					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a repl' - If NO period for reply is specified above, the maximum statutory period of the period for reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be to ywithin the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS from the application to become ABANDON	imely filed  bys will be considered timely.  in the mailing date of this communication.  ED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on							
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) ☐ Claim(s) 1-53 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-53 are subject to restriction and/or	wn from consideration.						
Application Papers							
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the E							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority documen application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in Applica prity documents have been recei nu (PCT Rule 17.2(a)).	ation No ved in this National Stage					
Attachment(s)	_						
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08</li> </ol>	, —						
Paper No(s)/Mail Date	6) Other:						

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## ELECTRODE BODY EVALUATION METHOD AND LITHIUM SECONDARY CELL USING THE SAME

Examiner: Yuan

S.N. 10/087,359

Art Unit: 1745

March 4, 2004

## Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-19, drawn to an evaluation method of an electrode body, classified in class 205, subclass 775.5.
  - II. Claims 20-46, drawn to a lithium secondary cell comprising an electrode body, classified in class 429, subclass 209+.
  - III. Claims 47-53, drawn to a method of manufacturing a lithium secondary cell separator, classified in class 429, subclass 247.
- 2. Inventions I and III are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions have different modes of function. Invention I can be used to evaluate an electrode that is used in a primary battery, such as a zinc/air battery or a Zn/Ag<sub>2</sub>O battery.
- 3. Inventions III and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). As admitted in the

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subject matter of the present claims, the manufacturing method can be used in the fabrication of three distinct lithium secondary cells as recited in claims 20,21,40-46, 22-28 and 29-39, respectively.

- 4. If invention I is elected, an election of species is required. This application contains claims directed to the following patentably distinct species of the claimed invention.
- I-1, Claims 1-5,13-19, drawn to an evaluation method based on the affinity between separator and electrolyte or organic solvent.
- I-2, Claims 6-12, drawn to an evaluation method based on the permeability of the electrolyte or the organic solvent.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, none of the claims is generic.

- 5. If invention II is elected, an election of species is required. This application contains claims directed to the following patentably distinct species of the claimed invention.
- II-1, Claims 20,21,40-46, drawn to lithium secondary cell wherein the organic solvent satisfy a relation expressed in the Expression (11).
- II-2, Claims 22-28, drawn to a lithium secondary cell wherein the organic solvent passes through the separator at a specific penetration rate.

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II-3, Claims 29-39, drawn to a lithium secondary cell wherein the separator is a nonwoven fabric textile made of fabric polyolefin.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, none of the claims directed to invention II is generic.

- 6. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 7. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 8. Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

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Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dah-Wei D. Yuan whose telephone number is (571) 272-1295. The examiner can normally be reached on Monday-Friday (8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan, can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dave /

Dah-Wei D. Yuan

March 5, 2004